

GenCore version 5.1.4.p5_4578
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OM protein - protein search, using sw model

Run on: March 25, 2003, 08:29:27 ; Search time 15 Seconds
(without alignments)
27.461 Million cell updates/sec

Title: US-09-982-259-7

Perfect score: 72

Sequence: 1 GMTFRAQEGAFITG 14

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA.*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	72	100.0	339	1	US-08-396-957A-4
2	42	58.3	341	1	US-08-396-957A-5
3	41	56.9	111	1	US-08-466-886-43
4	41	56.9	111	4	US-08-469-617-43
5	39.5	54.9	4928	4	US-09-036-987A-5
6	39.5	54.9	4928	4	US-09-370-700-5
7	37	51.4	602	4	US-09-374-454-19
8	36	50.0	339	4	US-09-071-035-80
9	36	50.0	333	4	US-08-313-412-1
10	36	50.0	361	4	US-09-071-035-78
11	35.5	49.3	1891	2	US-08-804-227C-12
12	35.5	49.3	1891	2	US-08-804-198-6
13	35	48.6	353	4	US-09-171-156A-65
14	35	48.6	353	4	US-09-171-156A-68
15	34	47.2	246	4	US-09-627-376-15
16	34	47.2	529	2	US-08-933-227-4
17	34	47.2	549	4	US-09-134-001C-2973
18	33.5	46.5	5588	4	US-09-036-987A-6
19	33.5	46.5	5588	4	US-09-370-700-6
20	33	45.8	38	1	US-07-977-630-79
21	33	45.8	112	4	US-09-378-088A-84
22	33	45.8	113	4	US-09-378-088A-72
23	33	45.8	123	3	US-08-844-188-41
24	33	45.8	123	4	US-09-378-088A-41
25	33	45.8	201	2	US-08-801-740-6
26	33	45.8	201	2	US-08-801-740-7
27	33	45.8	201	4	US-08-801-740-6

Sequence 7, Appli
Sequence 12, Appli
Sequence 4, Appli
Sequence 5, Appli
Sequence 2, Appli
Sequence 44, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 4, Appli
Sequence 58, Appli
Sequence 58, Appli
Sequence 58, Appli
Sequence 58, Appli
Sequence 58, Appli
Sequence 466, App

ALIGNMENTS

RESULT 1

US-08-396-957A-4
; Sequence 4, Application US/08396957A
; Patent No. 5780041
; GENERAL INFORMATION:
; APPLICANT: SIMPSON, WARREN; SCHWAN, TOM G.
; TITLE OF INVENTION: ANTIGENIC PROTEINS AND
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN, L.L.P.
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/396.957A
; FILING DATE: 01-MAR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/020,245
; FILING DATE: 19-FEB-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/664,731
; FILING DATE: 05-MAY-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/487,716
; FILING DATE: 05-MAY-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36,434
; REFERENCE/DOCKET NUMBER: 2026-4018US4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; TELEX: 421792
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 339
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: protein

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; LENGTH: 341
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Borrelia burgdorferi
; STRAIN: Sh-2-82
; INDIVIDUAL ISOLATE:
; DEVELOPMENTAL STAGE:
; HAPLOTYPE:
; TISSUE TYPE:
; CELL TYPE:
; CELL LINE:
; ORGANELLE:
; FEATURE:
; NAME/KEY: p39a
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: p39a protein sequence
;
; US-08-396-957A-5

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Query Match 58.3%; Score 42; DB 1; Length 341;
Best Local Similarity 53.8%; Pred. NO. 2.8;
Matches 7; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

DB 135 VVERVEQAF1AG 147

RESULT 3

US-08-466-886-43

Sequence 43, Application US/08466886

Patent No. 5776677

GENERAL INFORMATION:

APPLICANT: Tsui, Lap-Chee

APPLICANT: Riordan, John R.

APPLICANT: Rommens, Johanna M.

APPLICANT: Kerem, Bat-Sheva

APPLICANT: Collins, Francis S.

APPLICANT: Iannuzzi, Michael C.

APPLICANT: Drumm, Mitchell L.

APPLICANT: Buckwald, Manuel

TITLE OF INVENTION: Cystic Fibrosis Gene

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX

STREET: 1100 New York Avenue, N.W.

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/466,886

FILING DATE: 06-JUN-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Goldstein, Jorge A.

REGISTRATION NUMBER: 29,021

REFERENCE/POCKET NUMBER: 1329.0010006

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-2600

TELEFAX: 202-371-2540

INFORMATION FOR SEQ ID NO: 43:

SEQUENCE CHARACTERISTICS:

LENGTH: 111 amino acids

; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
US-08-466-886-43

Query Match 56.9%; Score 41; DB 1; Length 111;
Best Local Similarity 62.5%; Pred. No. 1.2;
Matches 10; Conservative 1; Mismatches 3; Indels 3; Gaps 1;

Qy 1 GMTFRAQEG--AFLTG 14
I:| | | | |
Db 11 GVTFHQPGEMAFLTG 26

RESULT 4
US-08-469-617-43
; Sequence 43, Application US/08469617
; Patent No. 6201107
; GENERAL INFORMATION:

; APPLICANT: Tsui, Lap-Chee
; APPLICANT: Riordan, John R.
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Kerem, Bat-Sheva
; APPLICANT: Collins, Francis S.
; APPLICANT: Iannuzzi, Michael C.
; APPLICANT: Drumm, Mitchell L.
; APPLICANT: Buckwald, Manuel
; TITLE OF INVENTION: Cystic Fibrosis Gene
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 New York Avenue, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,617
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 800

; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 1329.0010008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540

; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 111 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
US-08-469-617-43

Query Match 56.9%; Score 41; DB 4; Length 111;
Best Local Similarity 62.5%; Pred. No. 1.2;
Matches 10; Conservative 1; Mismatches 3; Indels 3; Gaps 1;

Qy 1 GMTFRAQEG--AFLTG 14
I:| | | | |
Db 11 GVTFHQPGEMAFLTG 26

RESULT 5
US-09-036-987A-5

; Sequence 5, Application US/09036987A
; Patent No. 6143526
; GENERAL INFORMATION:

; APPLICANT: Baltz, Richard H.
; APPLICANT: Broughton, Mary C.
; APPLICANT: Crawford, Kathryn P.
; APPLICANT: Madduri, Krishnamurthy
; APPLICANT: Merlo, Donald J.
; APPLICANT: Treadway, Patti J.
; APPLICANT: Turner, Jan R.
; APPLICANT: Waldron, Clive
; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Dow AgroSciences LLC Patent Department
; STREET: 9330 Zionsville Road
; CITY: Indianapolis
; STATE: Indiana
; COUNTRY: USA
; ZIP: 46268

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/036,987A
; FILING DATE: 09-MAR-1998
; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:
; NAME: Stuart, Donald R.
; REGISTRATION NUMBER: 28,479
; REFERENCE/DOCKET NUMBER: 50,608
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317)337-4816
; TELEFAX: (317)337-4847

; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4928 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-036-987A-5

Query Match 54.9%; Score 39.5; DB 4; Length 4928;
Best Local Similarity 64.3%; Pred. No. 1.8e+02;
Matches 9; Conservative 2; Mismatches 2; Indels 1; Gaps 1;

Qy 1 GMTFRAQEGAFLTG 14
I:| | | | |
Db 3383 GSTY-VREGAFLTG 3395

RESULT 6

US-09-370-700-5
; Sequence 5, Application US/09370700
; Patent No. 6274350
; GENERAL INFORMATION:

; APPLICANT: Baltz, Richard H.
; APPLICANT: Broughton, Mary C.
; APPLICANT: Crawford, Kathryn P.
; APPLICANT: Madduri, Krishnamurthy
; APPLICANT: Treadway, Patti J.
; APPLICANT: Turner, Jan R.
; APPLICANT: Waldron, Clive
; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
; FILE REFERENCE: 50489 DIV1

; CURRENT APPLICATION NUMBER: US/09/370,700
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/36987
; EARLIER FILING DATE: 1998-03-09
; NUMBER OF SEQ ID NOS: 39

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 4928
; TYPE: PRT
; ORGANISM: Saccharopolyspora spinosa
; US-09-370-700-5

Query Match          54.9%; Score 39.5; DB 4; Length 4928;
Best Local Similarity 64.3%; Pred. No. 1.8e+02;
Matches 9; Conservative 2; Mismatches 2; Indels 1; Gaps 1;

Qy 1 GMTFRAQEGAFLTG 14
   I I : : I I I I I I
Db 3383 GSTY-VREGAFLTG 3395

RESULT 7
US-09-374-454-19
; Sequence 19, Application US/09374454
; Patent No. 6395548
; GENERAL INFORMATION:
; APPLICANT: Lee, Mu-En
; APPLICANT: Maemura, Koji
; APPLICANT: Hsieh, Chung-Ming
; TITLE OF INVENTION: METHODS OF MODULATING OF ANGIOGENESIS
; FILE REFERENCE: 05433/037001
; CURRENT APPLICATION NUMBER: US/09/374,454
; CURRENT FILING DATE: 1999-08-13
; EARLIER APPLICATION NUMBER: US 60/096,515
; EARLIER FILING DATE: 1998-08-14
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 602
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-374-454-19

Query Match          51.4%; Score 37; DB 4; Length 602;
Best Local Similarity 60.0%; Pred. No. 48;
Matches 6; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 4 FRAQEGAFLT 13
   I I I I I I I I
Db 403 FRKDGSEVT 412

RESULT 8
US-09-071-035-80
; Sequence 80, Application US/09071035
; Patent No. 6448043
; GENERAL INFORMATION:
; APPLICANT: Gil H. Choi
; TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
; NUMBER OF SEQUENCES: 496
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,035
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:

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; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: A. Anders Brookes
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB369P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 80:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 339 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-071-035-80

Query Match          50.0%; Score 36; DB 4; Length 339;
Best Local Similarity 58.3%; Pred. No. 38;
Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 3 TFRAQEGAFLTG 14
   I I I I I I I I
Db 126 TFRDNEAAYLAG 137

RESULT 9
US-08-313-412-1
; Sequence 1, Application US/08313412
; Patent No. 6248583
; GENERAL INFORMATION:
; APPLICANT: Aron Ph.D., Lieselotte
; APPLICANT: Cabello M.D., Felipe
; APPLICANT: Godfrey M.D., Henry P.
; APPLICANT: Schwartz Ph.D., Ira
; TITLE OF INVENTION: Chromosomally-Encoded Membrane
; TITLE OF INVENTION: Protein of Borrelia burgdorferi
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle
; STREET: P.O. Box 1051, Clinton Square
; CITY: Rochester
; STATE: New York
; COUNTRY: USA
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,412
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Michael L.
; REGISTRATION NUMBER: 30,727
; REFERENCE/DOCKET NUMBER: 35553/1020
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 716-263-1304
; TELEFAX: 716-263-1600
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 353 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-313-412-1

Query Match          50.0%; Score 36; DB 4; Length 353;
Best Local Similarity 63.6%; Pred. No. 40;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

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Qy 4 FRAOEGAFLTG 14
 II : I I I I I
 Db 146 FRNEEAFLAG 156

RESULT 10

US-09-071-035-78
 ; Sequence 78, Application US/09071035
 ; Patent No. 6448043

GENERAL INFORMATION:

APPLICANT: Gili H. Choi
 TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
 NUMBER OF SEQUENCES: 496
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Human Genome Sciences, Inc.
 STREET: 9410 Key West Avenue
 CITY: Rockville
 STATE: Maryland
 COUNTRY: USA
 ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
 COMPUTER: HP Vectra 486/33
 OPERATING SYSTEM: MSDOS version 6.2
 SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/071,035

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: A. Anders Brookes
 REGISTRATION NUMBER: 36,373
 REFERENCE/DOCKET NUMBER: PB369P2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (301) 309-8504
 TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 78:

SEQUENCE CHARACTERISTICS:

LENGTH: 361 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-071-035-78

Query Match 50.0%; Score 36; DB 4; Length 361;

Best Local Similarity 58.3%; Pred. No. 41;

Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 3 TFAOEGAFLTG 14

III I I I I

Db 148 TFRDNEAAYLAG 159

RESULT 11

US-08-804-227C-12

; Sequence 12, Application US/08804227C

; Patent No. 5876991

GENERAL INFORMATION:

APPLICANT: DeHoff, Bradley S.
 APPLICANT: Kuhnstoss, Stuart A.
 APPLICANT: Rostock, Paul R., Jr.
 APPLICANT: Sutton, Kimberly L.
 TITLE OF INVENTION: POLYKETIDE SYNTHASE GENES
 NUMBER OF SEQUENCES: 15
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: THOMAS G. PLANT 1501
 STREET: LILLY CORPORATE CENTER
 CITY: INDIANAPOLIS

STATE: IN
 COUNTRY: USA
 ZIP: 46285
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: ASCII(DOS) Text only
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/804,227C
 FILING DATE: February 21, 1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Plant, Thomas, G.
 REGISTRATION NUMBER: 35,784
 REFERENCE/DOCKET NUMBER: X-8231
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 317-276-2459
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1891 amino acids
 TYPE: amino acid
 TOPOLOGY: unknown
 MOLECULE TYPE: peptide
 US-08-804-227C-12

Query Match 49.3%; Score 35.5; DB 2; Length 1891;

Best Local Similarity 57.1%; Pred. No. 3.4e+02;

Matches 8; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

Qy 1 GMTFRAOEGAFLTG 14

I I I I I

Db 90 GTTY-CREGGFLTG 102

RESULT 12

US-08-804-198-6

; Sequence 6, Application US/08804198

; Patent No. 5945320

GENERAL INFORMATION:

APPLICANT: Burgett, Stanley G.
 APPLICANT: Kuhnstoss, Stuart A.
 APPLICANT: Rao, Nagaraja R.
 APPLICANT: Richardson, Mark A.
 APPLICANT: Rostock, Paul R., Jr.
 TITLE OF INVENTION: PLATENOLIDE SYNTHASE GENE
 NUMBER OF SEQUENCES: 6
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: PAUL R. CANTRELL 1138
 STREET: LILLY CORPORATE CENTER
 CITY: INDIANAPOLIS
 STATE: IN

COUNTRY: USA

ZIP: 46285

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: Macintosh
 OPERATING SYSTEM: Macintosh 7.0
 SOFTWARE: Microsoft Word 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/804,198
 FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: CANTRELL, PAUL R.
 REGISTRATION NUMBER: 36,470
 REFERENCE/DOCKET NUMBER: P9113
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 317-276-3885
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1891 amino acids
 TYPE: amino acid

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; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-804-198-6

Query Match 49.3%; Score 35.5; DB 2; Length 1891;
Best Local Similarity 57.1%; Pred. No. 3.4e+02;
Matches 8; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

Qy 1 GMTFRAQEGAFLTG 14
Db 90 GTTY-CREGGFLTG 102

RESULT 13
US-09-171-156A-65
; Sequence 65, Application US/09171156A
; Patent No. 6368846
; GENERAL INFORMATION:
; APPLICANT: Hunter, Shirley Wu
; Sim, Gek-Kee
; Weber, Eric R.
; TITLE OF INVENTION: NOVEL ECTOPARASITE SALIVA PROTEINS AND
; APPARATUS TO COLLECT SUCH PROTEINS
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SHERIDAN ROSS P.C.
; STREET: 1560 BROADWAY, SUITE 1200
; CITY: DENVER
; STATE: CO
; COUNTRY: U.S.A.
; ZIP: 80202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/171.156A
; FILING DATE: 04-Mar-1999
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 32,020
; REFERENCE/DOCKET NUMBER: 2618-17-C4-PUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 303/863-9700
; TELEFAX: 303/863-0223
; INFORMATION FOR SEQ ID NO: 65:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 353 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/171.156A
; FILING DATE: 04-Mar-1999
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 32,020
; REFERENCE/DOCKET NUMBER: 2618-17-C4-PUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 303/863-9700
; TELEFAX: 303/863-0223
; INFORMATION FOR SEQ ID NO: 65:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 353 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 65:
US-09-171-156A-65

Query Match 48.6%; Score 35; DB 4; Length 353;
Best Local Similarity 58.3%; Pred. No. 62;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 3 TFRQEGAFLTG 14
Db 76 TRRSQEGALIIG 87

RESULT 14
US-09-171-156A-68
; Sequence 68, Application US/09171156A
; Patent No. 6368846
; GENERAL INFORMATION:
; APPLICANT: Hunter, Shirley Wu
; Sim, Gek-Kee
; Weber, Eric R.
; TITLE OF INVENTION: NOVEL ECTOPARASITE SALIVA PROTEINS AND
; APPARATUS TO COLLECT SUCH PROTEINS
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SHERIDAN ROSS P.C.
; STREET: 1560 BROADWAY, SUITE 1200
; CITY: DENVER
; STATE: CO
; COUNTRY: U.S.A.
; ZIP: 80202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/171.156A
; FILING DATE: 04-Mar-1999
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 32,020
; REFERENCE/DOCKET NUMBER: 2618-17-C4-PUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 303/863-9700
; TELEFAX: 303/863-0223
; INFORMATION FOR SEQ ID NO: 65:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 353 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 65:
US-09-171-156A-68

Query Match 47.2%; Score 34; DB 4; Length 246;
Best Local Similarity 54.5%; Pred. No. 64;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 2 MTFRAQEGAFLTG 12
Db 27 ITFSVQEGEFI 37

Search completed: March 25, 2003, 08:30:11
Job time : 17 secs

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; TITLE OF INVENTION: NOVEL ECTOPARASITE SALIVA PROTEINS AND
; APPARATUS TO COLLECT SUCH PROTEINS
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SHERIDAN ROSS P.C.
; STREET: 1560 BROADWAY, SUITE 1200
; CITY: DENVER
; STATE: CO
; COUNTRY: U.S.A.
; ZIP: 80202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/171.156A
; FILING DATE: 04-Mar-1999
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 32,020
; REFERENCE/DOCKET NUMBER: 2618-17-C4-PUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 303/863-9700
; TELEFAX: 303/863-0223
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 353 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-09-171-156A-68

Query Match 48.6%; Score 35; DB 4; Length 353;
Best Local Similarity 58.3%; Pred. No. 62;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 3 TFRQEGAFLTG 14
Db 76 TRRSQEGALIIG 87

RESULT 15
US-09-627-376-15
; Sequence 15, Application US/09627376
; Patent No. 6342385
; GENERAL INFORMATION:
; APPLICANT: Qi, Fengxia
; TITLE OF INVENTION: MUTACIN I BIOSYNTHESIS GENES AND PROTEINS
; FILE REFERENCE: UAB-17402/22
; CURRENT APPLICATION NUMBER: US/09/627.376
; CURRENT FILING DATE: 2001-05-30
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 15
; LENGTH: 246
; TYPE: PRT
; ORGANISM: Streptococcus mutans
US-09-627-376-15

Query Match 47.2%; Score 34; DB 4; Length 246;
Best Local Similarity 54.5%; Pred. No. 64;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 2 MTFRAQEGAFLTG 12
Db 27 ITFSVQEGEFI 37

Search completed: March 25, 2003, 08:30:11
Job time : 17 secs

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